

Title (en)

NON-INVASIVE MONITORING OF BLOOD METABOLITE LEVELS

Title (de)

NICHTINVASIVE ÜBERWACHUNG VON BLUTMETABOLITSPIEGELN

Title (fr)

SURVEILLANCE NON INVASIVE DE TAUX DE MÉTABOLITE DANS LE SANG

Publication

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Application

EP 10786601 A 20100604

Priority

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Abstract (en)

[origin: WO2010144313A2] Solutions for non-invasively monitoring blood metabolite levels of a patient are disclosed. In one embodiment, the method includes: repeatedly measuring a plurality of electromagnetic impedance readings with a sensor array from: an epidermis layer of a patient and one of a dermis layer or a subcutaneous layer of the patient, until a difference between the readings exceeds a threshold; calculating an impedance value representing the difference using an equivalent circuit model and individual adjustment factor data representative of a physiological characteristic of the patient; and determining a blood metabolite level of the patient from the impedance value and a blood metabolite level algorithm, the blood metabolite level algorithm including blood metabolite level data versus electromagnetic impedance data value correspondence of the patient.

IPC 8 full level

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